

03-29-01

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:	)	PATENT APPLICATION
	)	
Inventors: Wei Pan, Jer-shen Maa,	)	
David R. Evans and Sheng	)	
Teng Hsu	)	
	)	
Serial No.: Not Yet Assigned	)	Attorney Docket No.
	)	SLA 0493
Filed: Herewith	)	
	)	
Title: METHOD OF BARRIER METAL	)	
SURFACE TREATMENT PRIOR	)	
TO Cu DEPOSITION TO	)	
IMPROVE ADHESION AND	)	
TRENCH FILLING CHARACT-	)	
ERISTICS	)	

**CERTIFICATE OF MAILING BY "EXPRESS MAIL"  
UNDER 37 C.F.R. § 1.10**

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Date of Mailing: March 28, 2001

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Victoria A. Woods  
Signature Date: March 28, 2001

Box PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

Transmitted herewith for filing is a patent application identified as follows:

Inventors: Wei Pan, Jer-shen Maa, David R. Evans  
And Sheng Teng Hsu

Title: METHOD OF BARRIER METAL SURFACE TREATMENT  
PRIOR TO Cu DEPOSITION TO IMPROVE ADHESION  
AND TRENCH FILLING CHARACTERISTICS

No. of pages in Specification: 13 No. of Claims: 20

No. of sheets of Drawings: 2 Formal:     , Informal: X

Also enclosed are:

- X A Declaration.
- X An Assignment and Recordation Form Cover Sheet.
- X Power of Attorney by Assignee.
- A certified copy of a priority application.
- A Verified Statement to establish small entity status.
- X An Information Disclosure Statement under 37 C.F.R. §1.56.

The filing fee pursuant to 37 C.F.R. §1.16 is determined as follows:

No. Filed	No. Extra		Rate Small Entity/ Other Than Small Entity	
Basic Fee			\$355.00 \$710.00	= \$ 710.00
Total Claims <u>20</u> - 20	<u>0</u>	X	\$ 9.00 \$18.00	\$ 000.00
Independent Claims <u>3</u> - 3	<u>0</u>	X	\$ 40.00 \$ 80.00	\$ 00.00
First Presentation of Multiple Dependent Claim(s)	(0)		\$135.00 \$270.00	\$ 00.00
			Total	\$ 710.00

- If the difference is less than zero, enter "0".

X Please charge Deposit Account No. 19-1457 in the amount of (\$ 750.00) to cover the filing fee ( \$710.00 ) and assignment recording fee (\$40.00).  
A duplicate copy of this authorization is enclosed.

    A check in the amount of \$ 0.00 to cover the filing fee (\$ 0.00)  
and assignment recording fee (\$ 0.00) is enclosed.

X The Commissioner is hereby authorized to charge underpayment of  
any fees, (including those listed below), or credit any overpayment  
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A duplicate copy of this authorization is enclosed.

X Any additional filing fees under 37 C.F.R. § 1.16.

X Any patent application processing fees under 37 C.F.R. § 1.17.

Date:

March 28, 2001

Respectfully submitted,

By:

David C. Ripma  
Reg. No. 27,672

David C. Ripma, Patent Counsel  
Sharp Laboratories of America, Inc.  
5750 NW Pacific Rim Boulevard  
Camas, WA 98607

Telephone: (360) 834-8754  
Facsimile: (360) 817-8505